REMARKS

General Remarks

Claims 1-13 have been deleted and new claims 14-21 are presented for consideration herein. In essence the new claims are consistent with the direction provided by the Examiner in the Final Action, which is to rewrite Claim 10 in independent form including all of the limitations of the base claim and any intervening claims. The remaining new claims follow from this approach. In this manner, the concerns raised by the Examiner relative to applied references Zenhausern and Reil under 35 USC 103(a) should be obviated.

Further Corrections

Further corrections were entered into several areas in the specification and claims for accuracy and clarity purposes, and were identified by coapplicant Orient Chemical. Claim 15 and the associated description at page 3 of the specification need to be corrected because a C-C bond is missing in these formulas. If the bond were a single bond, the compound would not be an anthraquinone. In this respect it is submitted that the change does not constitute new matter.

In addition, "Sulfonyl"(-SO_2-) is an error of sulfonic acid group (-SO_3H) or its ionic state (-SO_3^-). Please see Table 1-1, Table 1-2, and Table 2, where there are appropriate references to several -SO_3^- and -SO_3H- groups , but no -SO_2- groups. Given the description of claim that "at least one of R^1 to R^8 and R^9 to R^{13} is sulfonyl group" and "at least one of R^{47} to R^{52} is sulfonyl group" at claim 15, and the fact that R^1 to R^{52} means a single bond functional group, it is submitted that the sulfonyl group (-SO_2-) actually means "-SO_3H- or -SO_3^-". Accordingly, changes of this variety were made to Claim 15 and in the places noted in the specification.

In view of the foregoing, allowance of the case is earnestly solicited.

Respectfully submitted,

WILLIAM H. HAMBY
ATTORNEY FOR APPLICANTS
Registration No.: 31,521
Telephone: (302) 992-3230
Facsimile: (302) 992-3257

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